Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

Surface Mount Type

Discontinued

Series: TA Type : V

Country of Origin
Japan

■ Features

Endurance:125°C 1000 h
For use near car engines.
Good for electronically controlled units (ECU, ABS etc).
Vibration-proof product is available upon request.(φ8≦)
RoHS directive not compliant.
TG series is recommended for RoHS compliant.

■ Specifications

Category temp. range	-40 to +125°C
Rated W.V. Range	10 to 50 V .DC
Nominal Cap. Range	10 to 330 µ F
Capacitance Tolerance	±20 % (120Hz/+20°C)
DC Leakage Current	I ≦ 0.01 CV or 3(µ A) after 2 minutes (Whichever is greater)
tan δ	Please see the attached standard products list

Characteristics at Low Temperature

W.V. (V)	10	16	25	35	50	(Impedance ratio at 120Hz)
-25 / +20 °C	8	5	4	3	3	
-40 / +20 °C	14	12	10	8	8	

Endurance

After applying rated working voltage for 1000 hours at +125±2°C and then being stabilized at +20°C, capacitors shall meet the following limits.

Capacitance change	±30 % of initial measured value
tan δ	≦300 % of initial specified value
DC leakage current	≦initial specified value

Shelf Life

After storage for 500 hours at +125±2°C with no voltage applied and then being stabilized at +20°C, capacitors shall meet the following limits. (With voltage treatment)

Capacitance change	±20% of initial measured value
tan δ	≦200 % of initial specified value
DC leakage current	≦initial specified value

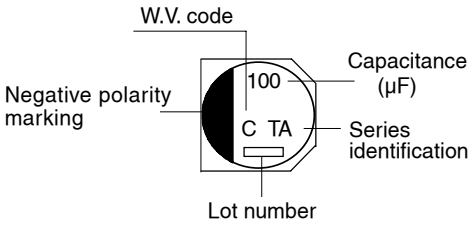
Resistance to Soldering Heat

After reflow soldering and then being stabilized at +20°C, capacitor shall meet the following limits.

Capacitance change	±10 % of initial measured value
tan δ	≦ initial specified value
DC leakage current	≦ initial specified value

■ Marking

Example: 16V 100 µF (Polarized)

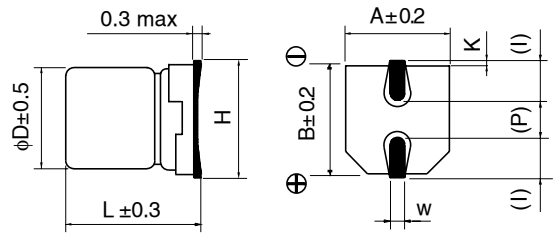


W.V. code

V	10	16	25	35	50
Code	A	C	E	V	H

■ Dimensions in mm (not to scale)

( ) reference size



(mm)

Size code	D	L	A,B	H	I	W	P	K
E	8.0	6.2	8.3	9.5 MAX	3.4	0.65±0.1	2.2	0.35 -0.20 to +0.15
F	8.0	10.2	8.3	10.0 MAX	3.4	0.90±0.2	3.1	0.70 ±0.2
G	10.0	10.2	10.3	12.0 MAX	3.5	0.90±0.2	4.6	0.70 ±0.2

■ Case size

W.V.(V) / Cap.(µF)	10 (1A)	16 (1C)	25 (1E)	35 (1V)	50 (1H)
10					E
22					E
33				E	F
47			E	F	G
100	E	F	F	G	
220	F	G			
330	G				

■ Standard Products

Discontinued

W.V. (V)	Cap. (±20%) (μF)	Case size Dia. (mm)	Length (mm)	Size Code	Specification Ripple current (100kHz) (+125°C) (mA)	tan δ (120Hz) (+20°C)	Part No. (RoHS: not compliant)	Reflow	Min. Packaging Q'ty Taping (pcs)
10	100	8	6.2	E	62	0.32	EEVTA1A101P	(2)	1000
	220	8	10.2	F	93	0.32	EEVTA1A221P	(2)	500
	330	10	10.2	G	118	0.32	EEVTA1A331P	(2)	500
16	100	8	10.2	F	89	0.24	EEVTA1C101P	(2)	500
	220	10	10.2	G	113	0.24	EEVTA1C221P	(2)	500
25	47	8	6.2	E	56	0.21	EEVTA1E470P	(2)	1000
	100	8	10.2	F	84	0.21	EEVTA1E101P	(2)	500
35	33	8	6.2	E	53	0.18	EEVTA1V330P	(2)	1000
	47	8	10.2	F	79	0.18	EEVTA1V470P	(2)	500
	100	10	10.2	G	101	0.18	EEVTA1V101P	(2)	500
50	10	8	6.2	E	25	0.18	EEVTA1H100P	(2)	1000
	22	8	6.2	E	50	0.18	EEVTA1H220P	(2)	1000
	33	8	10.2	F	74	0.18	EEVTA1H330P	(2)	500
	47	10	10.2	G	94	0.18	EEVTA1H470P	(2)	500

The taping dimensions are explained on p.187 of our Catalog.
Please use it as a reference guide.
Endurance : 125°C 1000h
Reflow profile(Fig-1 to Fig-5) listed on the last page.